

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/091583 A1

(51) International Patent Classification⁷: **H04L 25/03,**
27/26, H04B 3/14

(21) International Application Number:
PCT/IB2004/000439

(22) International Filing Date: 20 February 2004 (20.02.2004)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

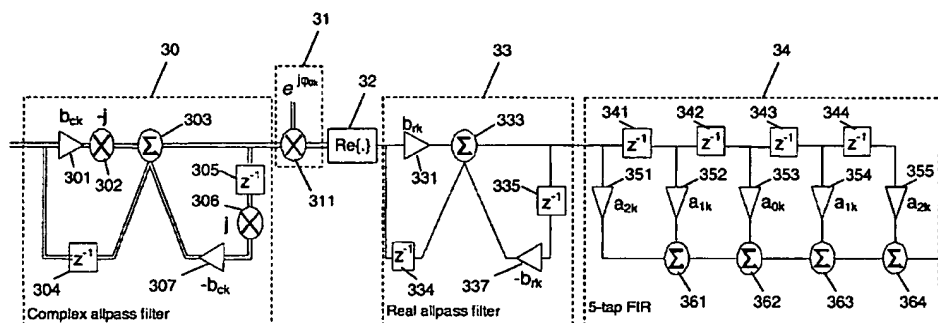
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CHANNEL EQUALIZATION



(57) Abstract: The invention relates to a method for use in an equalization of a channel by means of an equalizer (22, 23), wherein the channel uses a certain frequency band for a transfer of signals. In order to enable a channel equalization which requires a low complexity and which provides at the same time a good performance, it is proposed that the method comprises determining a channel response for at least one frequency point within the frequency band used by the channel. The method further comprises setting at least one adjustable coefficient ϕ_{0k} , b_{ck} , b_{rk} , a_{0k} , a_{1k} , a_{2k} of the equalizer such that an equalizer response compensates optimally the determined channel response at the at least one selected frequency point. The invention relates equally to a corresponding signal processing device (2), to a corresponding signal processing system and to a corresponding software program product.